



Homeland Security

The Domestic Nuclear Detection Office (DNDO) is a jointly staffed office established April 15, 2005 to improve the Nation's capability to detect and report unauthorized attempts to import, possess, store, develop or transport nuclear or radiological material for use against the Nation, and to further enhance this capability over time.

Strategic Objectives

- Develop the global nuclear detection and reporting architecture
- Develop, acquire, and support the domestic nuclear detection and reporting system
- Fully characterize detector system performance before deployment
- Establish situational awareness through information sharing and analysis
- Establish operation protocols to ensure detection leads to effective response
- Conduct a transformational research and development program
- Establish the National Technical Nuclear Forensics Center to provide planning, integration, and improvements to USG nuclear forensics capabilities

The DNDO is led by Director Vayl Oxford with eight directorates responsible for addressing key mission areas while meeting the strategic objectives outlined in its founding Presidential Directive.

Directorates

- **Systems Architecture Directorate** - Determines gaps and vulnerabilities in the existing global nuclear detection architecture, then formulates recommendations and plans to develop an enhanced architecture.
- **Mission Management Directorate** - Manages DNDO programs in key mission areas, including: Ports of Entry, general aviation, maritime and the domestic interior.
- **Product Acquisition & Deployment Directorate** - Carries out the engineering development, production, developmental logistics, procurement and deployment of current and next-generation nuclear detection systems.
- **Transformational & Applied Research Directorate** - Conducts, supports, coordinates, and encourages an aggressive, long-term research and development program to address significant architectural and technical challenges unresolved by R&D efforts on the near horizon.
- **Operations Support Directorate** - Develops information sharing and analytical tools necessary to create a fully integrated operating environment. Develops and delivers training products, integrates Preventive Radiological Nuclear Detection activities into National Regional exercises and works to establish standard procedures/protocols.
- **Systems Engineering & Evaluation Directorate** - Ensures that DNDO proposes sound technical solutions and thoroughly understands systems performance and potential vulnerabilities prior to deploying those technologies.
- **Red Teaming & Net Assessments** - Independently assesses the operational performance of planned and deployed capabilities, including technologies, procedures, and protocols.
- **National Technical Nuclear Forensics Center** - Provides national-level stewardship, centralized planning, and integration for an enduring national technical nuclear forensics capability.

For More Information on Employment

Contact Janice Joyner (janice.joyner@dhs.gov) or Rise Cole (rise.cole@associates.dhs.gov)